

# Notice of Allowability

Application No.

10/039,557

Examiner

Robert Shiao

Applicant(s)

YANG ET AL.

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1626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to responses filed on 07/15/2004.
2. ☒ The allowed claim(s) is/are 1.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **DETAILED ACTION**

1. Amendment of claim 1 and cancellation of claims 2-19 in Paper No. 0704, dated July 15, 2004, is acknowledged. Claim 1 is pending in the application.

### ***Reponses to Amendment***

2. Since the variable  $R^5$  does not represent  $C_{1-6}$  and variables  $R^3$ ,  $R^4$ , and N form a five-membered heterocycle, therefore, the rejection of claim 1 under 35 U.S.C. 112, first paragraph, and 35 U.S.C. 102 (b) has been overcome in Paper No. 0704, dated July 15, 2004. Since claim 15 has been cancelled, therefore, the rejection of claim 15 under 35 U.S.C. 112, first paragraph and 35 U.S.C. 102 (b) is obviated.

### **EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Charles E. Baxley on September 30, 2004. The application has been amended as follows:

In claim 1, line 7, delete " $R^3$  is alkyl of C1-C9;"

In claim 1, line 8, delete " $R^4$  is alkyl of C1-C9; or"

In claim 1, line 10, after "heterocycle", insert  
--pyrrolidine--

### ***Reasons for Allowance***

4. The following is an examiner's statement of reasons for allowance:

Claim 1 is neither anticipated nor rendered obvious over the art of record, and therefore are allowable. This invention relates to aminothiols and acylated derivatives thereof. The closest prior art of record is Kang et al. publication, Synlett, 1994, 10:842-4, see CAS:122:55341, discloses a compound 1-piperidineethanethiol, alpha, beta-diphenyl. The difference between instant claims and Kang et al. is that the instant variables  $R^3$ ,  $R^4$ , and N form a five-membered heterocycle pyrrolidine, while Kang et al. is six-membered heterocycle piperidine at the same position. Suggestion for modification of prior art to obtain the instant compounds has not been found. Claim 1 is allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


### ***Conclusion***

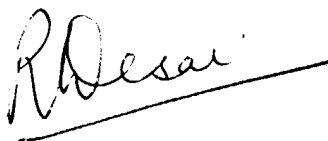
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Shiao whose telephone number is (571) 272-0707. The examiner can normally be reached on 8:30 AM - 5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph K. McKane can be reached on (571) 272-0699. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Robert Shiao, Ph.D.  
Patent Examiner  
Art Unit 1626

  
Joseph K. McKane  
Supervisory Patent Examiner  
Art Unit 1626

10/4/04.

October 4, 2004